DIAMOND

HD Media Wonder

MP900

Preface

Thanks very much for choosing the Diamond HD Media Wonder high-definition player. In order to make it more convenient for you to use the player proficiently, we provide you with a user manual. Please read it carefully before use and properly save it for reference.

Statements

Though Diamond Multimedia has checked and proofread this manual, and because of the product firmware is occasionally updated, there might be some situations in this manual inconsistent with the real product, which are without prior notice, so please visit the www.diamondmm.com website for query.

The pictures in the manual are only for reference, and if some of them are inconsistent with their actual appearances, please subject to the actual ones.

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1. Product Descriptions

1.1Product functional features

support JPEG, M-JPEG, PNG, TIFF, BMP, GIF picture files
support MP3, WMA, APE ,OGG,FLAC music files
support REAL, MPEG1（VCD), MPEG2(DVD), MPEG4,
H.264 movie files, and the corresponding suffixal file names are:
.dat .avi .mpg .mpeg .mkv .rm .rmvb .vob .ts .m2ts .mp4 .swf
support TXT text files
support SD/MMC card reader including SDHC .support hot plug
support HDMI-1.3 high-definition digital interface (output 480P, 576P, 720P, 1080P)
support USB flash drive, USB mobile hard disk
support copy and delete function between USB devices, SD/MMC cards and multi-partitions of hard disk
support coaxial digital audio output
clear and concise file management interface

1.2 Product specifications

Power: Input of adaptor is 100-240VAC（50Hz/60Hz), output of adaptor is 9VDC-1A.
Host dimension: 120×30 mm (diameter×height)
Adapted environment：
Operations：temperature limited to 0-40℃, and humidity limited to 20%-80%
Storage：temperature limited to -20-45℃, and humidity limited to 10%-90%

1.3 Remote controller outline

Functions of remote controller's keys:

RESET: press it after powering on to restore it to NTSC composite video output.;
RATIO: switch the display ratio on the screen when playing movie files,.
VIDEO: press it to switch the video output resolutions between NTSC, PAL, 480I, 480P, 576I, 576P, 720P, 1080I and 1080P.
ZOOM: press it to zoom the playing pictures out;
SLIDE SHOW: Combine photos with background music automatically when the current memory device play photo files and music files at the same time.
ROTATE: press it to rotate the pictures in four directions of 0°, 90°, 180°,270°;
AUDIO: press it to switch between channels and tracks when playing multi-channels or multi-tracks movie files, ;
SUBTITLE: press it to switch between “close subtitle and “open subtitle” when playing AVI movies with external subtitle files ;
SORT: press it to switch the sorting modes of the files such as sorting by time or file names.
FOLDER: press it to switch the file display styles, between the folder & file structure
EDIT: press it to copy and delete the selected files in the file mode;
DEVICE: press it to switch the accessed memory devices, such as switch from a USB device to memory cards.
EXIT: press it to exit the current playing state or back to the previous menu.
OSD: press it to open or close the operation menu and the currently playing file information in playing state.

1.4 Replace the batteries of remote controller

Load and replace the batteries:

①pull out the battery from the rear;
②put 2025 battery into the slot, paying attention to the positive and negative electrodes;
③make sure the battery lip is on.

2. Connection between U6 and television

2.1 AV connection

Connect the composite terminal of AV cable (tri-color RCA of red, white and yellow) to AV output of U6, correspondingly connect another terminal of AV cable to AV input of television.

2.2 High-definition YUV connection

Connect the composite terminal of YUV cable (tri-color RCA of green, blue and red) to YUV output of U6, correspondingly connect another terminal of YUV cable to YUV(YCbCr or YPb/Pr) input of television. In addition, connect with the AV cable as above-mentioned 2.1 for audio connection, or connect the AV cable from coaxial output of U6 to coaxial input of external amplifier.

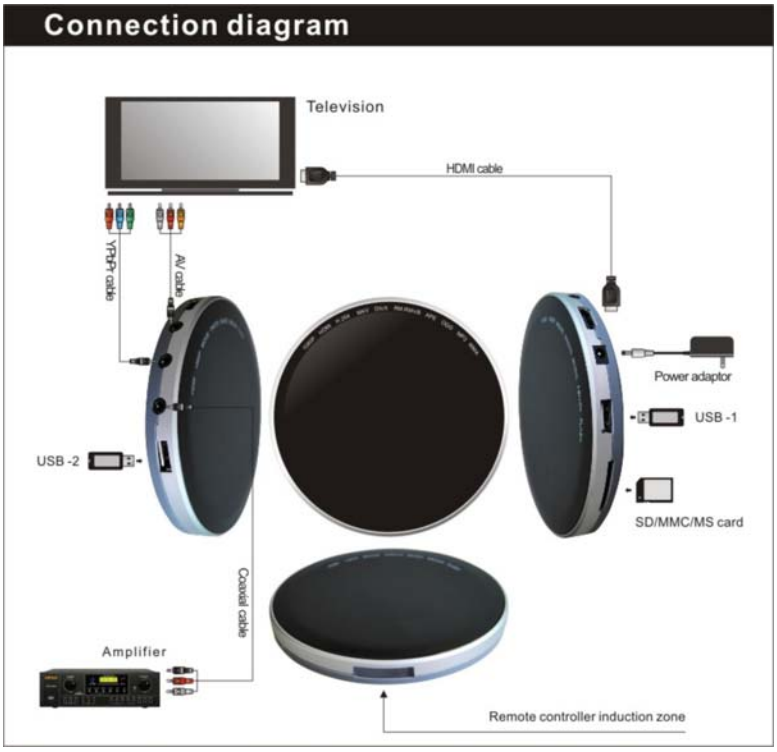
2.3 HDMI and coaxial connection

Please refer to the connection diagram

2.4 Notes:

①after connecting the player with the television, make sure a correct connection between the player and television .
②when connecting with the television, make sure a correct selection of television signal source, if no image under the right selection, please press the video key on the remote controller to switch output signals of the product till matching with the television signals.
③when your television supports high-definition input, it is recommended to choose "720P or 1080P" mode to watch.
④coaxial(SPDIF) connection : connect the yellow terminal to amplifier with AV cable, or connect the blue terminal to amplifier with YUV(the high-definition video signal) cable.

2.5 Diagram of U6 and the peripheral device

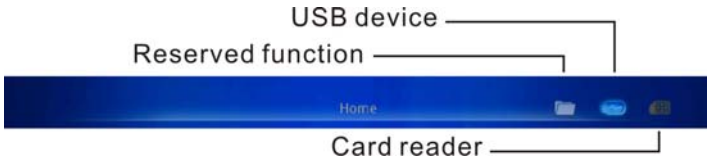


3. Instructions of operation

The default setting is power on after the player is plugged in with the blue light on. Turn off the player by pressing "POWER" key on IR remote controller.

3.1Choose memory device：

Press “DEVICE” key on the remote controller, you can see the icon on the upper right corner is switching, the bright icon is the currently selected memory device.
Indication of the icon status:
Dark gray color: there is no this type device plugged on the player
White color: there is a device plugged on the player but being un-selected
Bright blue color: there is a device plugged on the player and being selected



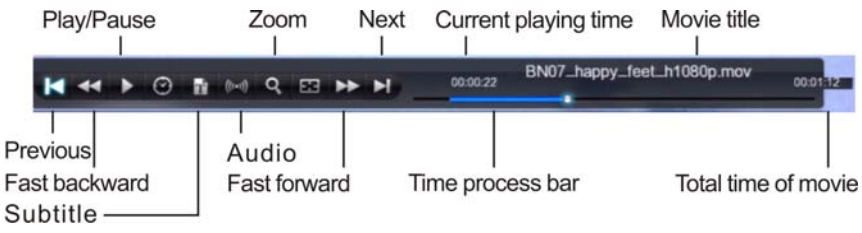
3.2Descriptions of home menu:

3.3Movie playing:

In the home menu, move the cursor through the arrow keys to press “OK” to enter Movie mode, if the selected device is USB device with multi-partitions (such as USB mobile hard disk), the following screen appears, and this screen prompts the users to select preferred partition.

Use the “UP/DOWN” arrow keys to move the cursor, then press “OK” to enter corresponding partition, at this time, you can see some movie files or folders.

Move the cursor to the folders, press “OK” to enter this directory, and press “Exit” key to exit this directory, if move the cursor files to the movie files, press “OK” to play it; when playing, you can press “FAST FORWARD, FAST BACKWARD, PAUSE” key to achieve what you want; press “AUDIO” key to switch left and right channel or audio track to select different languages (if the file itself supports); press “SUBTITLE” key to open or close the subtitle (available if the subtitle file exists); press “OSD” key, a function menu and the time information of this video file will be popped up from the bottom of the screen, the function menu icon is shown as followed:



Note: proper application of the subtitles

1: the subtitle is consistent with the movie file name for example, if the movie file name is ABC123.avi , the subtitle must be: ABC123.srt or ABC123.en.srt (The .en is the subtitle language, it can be .tr .de .fr etc..)
(The .str is the format of the subtitle file, it can be .srt .ssa .sub etc..)
2: the subtitle cannot be too long or contain complex symbols (it is suggested to change the subtitle into a short name consistent with the movie title)
3: the movie and caption files must be put under the same directory.

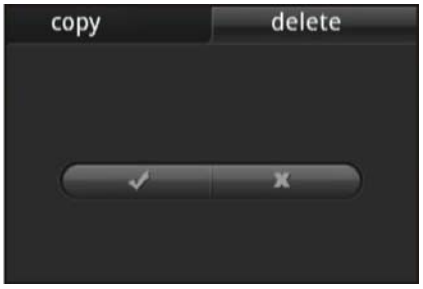
3.4 Music, Pictures, TXT and FLASH playing

Pictures, music, text, and flash playing can be selected as the similar operation mode of movie playing.

The function menu icon of playing mode is shown as followed:

3.5 File browsing

Select the file browsing mode, all movie,picture,music, text and swf flash files will be displayed. Move the cursor to the corresponding files, press “OK” to play; In the file browsing mode, you can copy and delete these files. Move the cursor to the desired files, press “edit” to pop up copy and delete options, through left and right arrows to select the desired options, then press “√” to edit the corresponding files. This mode is similar to the computer resource management operation.



3.6 System settings

Select the system setting items by using arrow keys, press "OK" to confirm the setting changes, press "back" to exit system setting mode.
Please refer to the below table for details.

Setting items	Detail setting menu	Memo
Display	NTSC composite video PAL composite video NTSC interlaced(480I) NTSC progressive(480P) PAL interlaced(576I) PAL progressive(576P) 720P,1080I,1080P	Recommendation: if your television supports high-definition display, please select 720P or 1080P to watch.
Display-Mode	16:9,4:3	Set TV display ratio
Language	English Chinese	Set the display language of the menu
Picture setting	View-set picture folder display method Sort-set film arrangement method Directory-set whether to display based on the folder directory method Repeat-set whether to repeatedly display Picture clip-set the display method of the pictures Picture playing interval-set the duration time of each picture when playing in slideshow Picture effect-set the replacement effect when playing pictures in slideshow	The parameter settings relevant to picture displaying
Movie setting	View-set movie folder display method Sort-set file arrangement method Directory-set based on the folder directory	The parameter settings relevant to picture displaying

	method Repeat-set whether to repeatedly display Caption-set display method of the caption (referring to the extension caption). Resume play-exit when playing the movie, whether to continue playing in next playing Caption code-set the code format of extension caption	
Music setting	View-set music folder display method Sort-set file arrangement method Directory-set based on the folder directory method Repeat-set whether to repeatedly display Lyrics-extension lyrics	The parameter settings relevant to picture displaying
Text setting	Sort-set file arrangement method Directory-set whether to display based on the folder directory method Font color-set character colors Automatic browsing speed-set playing speed Resume play-exit when playing the movie, whether to continue playing in next playing	The parameter settings relevant to text displaying
Default	Set to the factory-default settings	Factory-default settings are usually composite video outputting and Chinese display.
About	Display the software version information	
Upgrade	Software updates	Please make sure no power off during software upgrading, the third party software upgrading is prohibited.

4. FAQ

Questions	Answers
If this player is	You should buy an adapter that can be compatible with

incompatible with memory card, what can l do?	the memory card. For example ,if you have an XD card, you can buy an adapter compatible with the memory card, and connect the player with XD card. By using this memory card adapter.
Does this player have built-in memory?	No, It doesn't have the built-in memory to store multi-media files. You should use compatible memory card, USB flash disk or USB hard disk.

5. Faults and Solutions

Faults	Reasons and solutions
No power or cannot power on	The plug of the power adapter is inserted completely into the host socket, and the other terminal is connected with mains socket (some models might use the power adapter), after the right connection, press the "POWER" key on the IR remote controller.
	IF you still cannot play the media product when the above operations are checked correctly, please contact our customer service department for maintenance
When you insert a memory card or USB flash disk, the file can not play	Non-supported file format No files in the memory device Make sure at least one file in the memory card Make sure the file formats compatible with the specification table of U6
There is no picture on the television	The video cable is not well inserted or wrongly inserted. Please insert the video cable properly and make sure the correct and good connection between the video cable and the television. Any more questions, please contact our customer service department for settlement. If the player signal inputting mode can not match with the TV signal source, Press "video" on the remote controller. If there is still no display on television, please contact our customer service department for maintenance.
No sound	The audio cable is not well inserted or wrongly inserted-please insert the audio cable properly and make sure the correct and good connection between the audio cable and the television (it is supposed to connect the audio base on the television being the same group as the video), and turn up the remote controller volume of both the television and the remote controller. Any more questions, please contact our customer service department for settlement.

6. Accessory kits

Accessories	Quantity
Remote Controller	1
AV Cable	1
YPbPr Cable	1
User Manual	1
Power Adaptor	1

7. Specifications

Parameter item	MP900	
System Format	Audio Format	PCM,MPEG,LAYER□/□/□,RealAudio,MP3,WAMA,OGG,DOLBY AC3,DTS,AAC,FLAC,and APE
	Photo Format	JPG,BMP,GIF,TIFF
	Txt Format	TEXT
	Video Format	Real Video 8/9/10:Video file package RM /RMVB, resolution up to1280*720,bit rate up to 30Mbps.
		Mpeg-1:Video file package DAT/ MPG/ MPEG, resolution up to 1920*1080,bit rate up to 80Mbps.
		MPEG-4:Video file package AVI/ DivX/ XviD, resolution up to 1920*1080,bit rate up 35Mbps.
		H.264:Video file package AVI/2TS/MKV,resolution up to1920*1080,bit rate up to 35Mbps.
		M-JPEG: resolution up to 640x480,30fps
	Subtitle Format	*.SRT,*.SMI,*.ASS,*.SSA
	File System	FAT16.FAT32.NTFS
Input interface	Memory Card	SD/SDHC/MMC
	USB	Two ways of USB2.0Host the max output current of USB2.0Host is 1A/5V which can directly connected to a variety of mobile hard disk and no need for additional power supply. Support hot plug.
Output interface	Audio interface	Stereo output with 3.5mm socket; Coaxial output:
	Video interface	CVBS output; YCbCr/YPbPr output; HDMI1.3.
Other interface	Remote Sensor	Effective range is more than 6m
Electronic parameter	Video	1.0V±0.1V(75Ω load):S/N≥55dB
	audio	2.0V±0.2V(10KΩ load):S/N≥85dB
	power	9VDC,1A(support 7-12VDC)

Technical Support

Diamond Technical Support staff is here to help resolve any issues that you may be experiencing. Prior to contacting technical support please make sure you have the following information available.

1. Model #: (Printed on the bar code, located on the box)
2. Installation CD Version: (printed on the CD label)
3. The version of Windows that your system is running.
4. The manufacturer and model # of your computer.
5. CPU type and speed (example: Intel Pentium4 2.4GHZ)
6. A complete description of the problem that you are experiencing including any steps that you have taken to try to resolve the issue.

Technical Support Options

Free Telephone Support

818-357-5165

(long distance rates may apply)

Mon - Fri, 8 - 4:30 PST

http://www.diamondmm.com

SHIPPING

Starting June 1st 2009 Diamond Multimedia will pay for shipping cost from Diamond back to US and Canadian customers provided the product is indeed under warranty and there is no damage caused by improper installation or modification of the merchandise. Customers located outside of the United States and Canada or using military addresses (APO,etc) will be required to pay for return shipping. Average shipping times range from 5 to 10 days, depending on actual shipment destination. Shipments made outside the US may take longer to deliver.

Diamond Multimedia reserves the right to claim for shipping fees along with service charges for any product that is returned incomplete or not under warranty. Return Authorization (RMA) is required for all warranty return products.

ONE YEAR LIMITED WARRANTY

The warranty described below is extended only to the original buyer and is not transferable.

Diamond warrants to the original purchaser of the hardware product, that the product is free from defects in materials or workmanship under normal use and service for a period of one (1) year from the date of purchase. All cables and accessories provided with a Diamond product are warranted to be free from defects in materials or workmanship under normal use and service for a period of for (90) ninety days from date of purchase. Diamond's sole obligation under this warranty shall be, at Diamond's option, to: (I) repair the defective product or parts; (II) deliver to customer an equivalent product or part to replace the defective product. When a product or part is replaced or exchanged, that item becomes the customer's property and the replaced or exchanged item becomes Diamond's property. When a refund or replacement product is given, the defective product becomes Diamond's property. Replacement parts or products may be new or include serviceable used parts with at least the same functional equivalence to the original product. If, at the time of repair, a product is "out of warranty" or within the last ninety (90) days of the warranty period, Diamond warrants any repair for ninety (90) days. All software provided is subject to the terms of the associated software end-user license agreement.

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